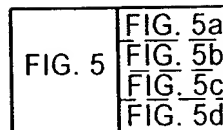




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FIG. 5b



PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

-----AAGCGGCCCGCAACCCCATAGAGGTGGGTGTTACCCCTTAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCATATAAAGGTGGGTGTTACGCTGAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCATATAAAGGTGGGTGTTACGCTGAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCCCATATAAAGGTGGGTGTTACTCTGAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCCCATATAAAGGTGGGTGTTACTCTGAATAATCCTTC

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CGAGGAGGAGAAAAACAAATACGGGAGCTTCCAATCTCCCTTTTGGATTATTTTGTGTC
CGAAGACGAGCGCAAGAAAATACGGGAGCTCCAATCTCCCTATTTGATTATTTTATTGT
CGAAGACGAGCGCAAGAAAATACGGGAGCTCCAATCTCCCTATTTGATTATTTTATTGT
CGAAGACGAGCGCAAGAAAATACGGGATCTTCCAATATCCCTATTTGATTATTTTATTGT
CGAAGACGAGCGCAAGAAAATACGGGATCTTCCAATATCCCTATTTGATTATTTTATTGT

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CGGAGAGGAAGGTTTGAAGAGGGTAGAAGTCTCCTCACCTCCAGGGGTTTGCGAATTTTGC
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCCTAATTTTGT
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCCTAATTTTGT
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCCTAATTTTGT
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCCTAATTTTGT

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

TAAGAAGCAGACTTTTAAACAAGGTGAAGTGGTATTTTGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAAACCTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAAACCTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAGACTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAGACTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

AGCGAAAGGAACCGACCAGCAGAATAAAGAATACTGCAGTAAAGAAGGCCACATACTTAT
AGCCAAAGGAACCTGATCAGCAGAATAAAGAATATTGCAGTAAAGAAGGCCAACTTACTTAT
AGCCAAAGGAACCTGATCAGCAGAATAAAGAATATTGCAGTAAAGAAGGCCAACTTACTTAT
AGCGAAAGGAACAGATCAGCAGAATAAAGAATACTGCAGTAAAGAAGGCCAACTTACTGAT
AGCGAAAGGAACAGATCAGCAGAATAAAGAATACTGCAGTAAAGAAGGCCAACTTACTGAT

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CGAGTGTGGAGCTCCGCGGAACCGAGGGAAGCGCAGCGACCTGTCTACTGCTGTGAGTAC
TGAATGTGGAGCTCCTCGATCTCAAGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC
TGAATGTGGAGCTCCTCGATCTCAAGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC
GGAGTGTGGAGCTCCTAGATCTCAGGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC
GGAGTGTGGAGCTCCTAGATCTCAGGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CCTTTTGGAGACGGGGTCTTTGGTGACTGTAGCCGAGCAGTTCCTGTAACGTATGTGAG
CTTGTGGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG
CTTGTGGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG
CTTGTGGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG
CTTGTGGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAGATGCAGCAGCGTGATTG
